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1/24

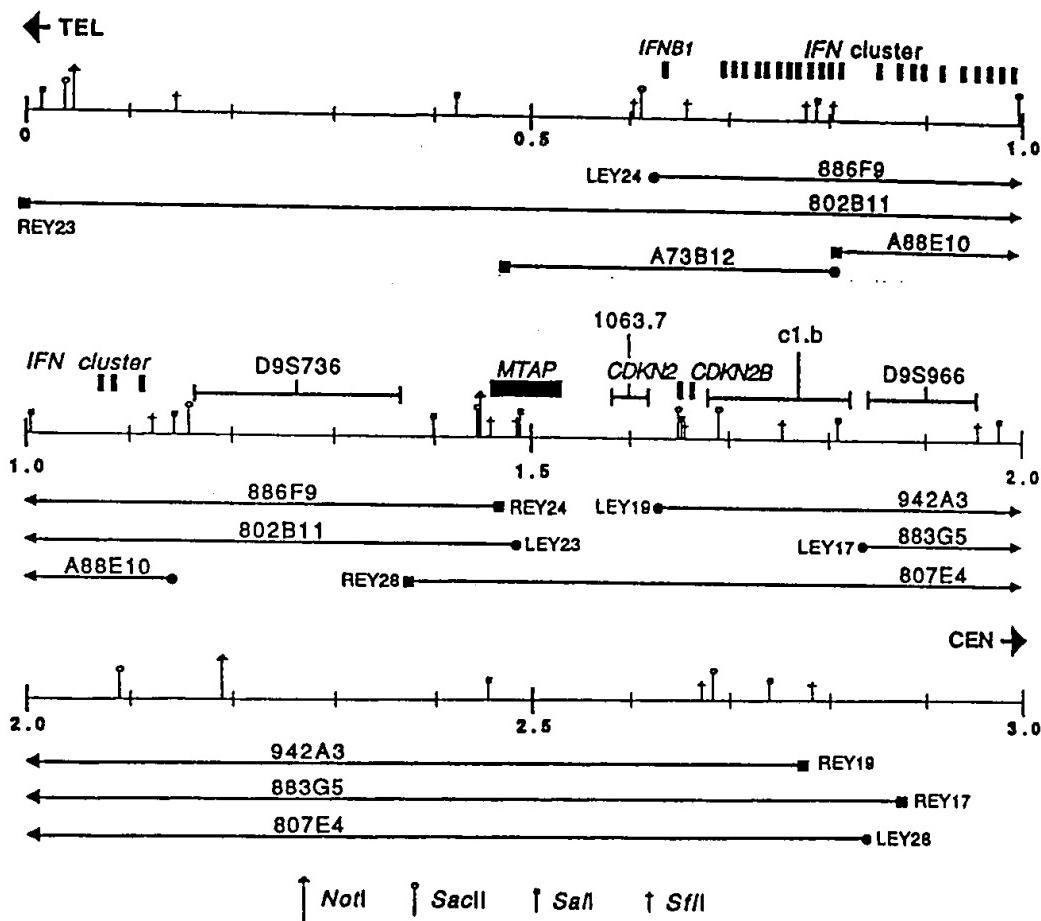


FIG. 1

08 674311

3/24

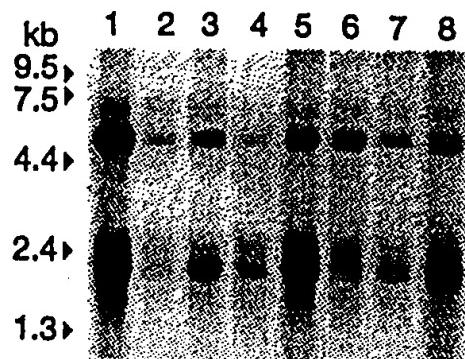


FIG. 2A

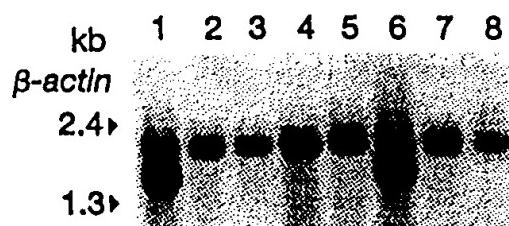


FIG. 2B

08 674311

3/24

1 gaattccgct ccgcactgct cactcccgcg cagtggaggtt ggcacagcca ccgctctgtg
61 gctcgcttgg ttccccttagt cccgagcgcgt cgcccactgc agattccctt cccgtgcaga
121 catggcctct ggcaccacca ccaccgcccgt gaagattgga ataattggtg gaacaggcct
181 ggatgatcca gaaattttag aaggaagaac taaaaaatat gtggatactc catttggcaa
241 gccatctgat gccttaattt tggggaaatgtt aaaaatgtt gattgcattc tccttgcaag
301 gcatggaaagg cagcacacca tcatgccttc aaaggtcaac taccaggcga acatctggcaag
361 tttgaaggaa gagggctgtta cacatgtcat agtgaccaca gcttgtggct ccttgaggga
421 ggagattcag cccggcgata ttgtcattat tgatcagttc attgacagga ccactatgag
481 acctcagttcc ttctatgatg gaagtcatc ttgtgccaga ggagtgtgcc atattccat
541 ggctgagccg ttttgcggca aaacgagaga ggttcttata gagactgcta agaagctagg
601 actccgggtgc cactcaaagg ggacaatggt cacaatcgag ggacctcggtt ttagctcccg
661 ggcagaaagc ttcatgttcc gcacctgggg ggcggatgtt atcaacatga ccacagtcc
721 agaggtgggtt ctgtcttaagg aggctggaat ttgttacgca agtacgcca tggcgacaga
781 ttatgactgc tggaaaggagc acgaggaagc agtttgcgtt gaccgggtct taaagaccct
841 gaaagaaaaac gctaataaag cccaaagctt actgctcact accataaccc agatagggtc
901 cacagaatgg tcagaaaccc tccataaacct gaagaatatg gcccagttt ctgttttatt
961 accaagacat taaagttagca tggctgccc ggagaaaaaga agacattcta attccagtc
1021 ttttggaaat tcctgtcttaa ctggaaaaaa atatggaaa gacatgcagc tttcatgccc
1081 ttgcctatca aagagtatgt tgtaagaaag acaagacattt gtgtgttata gagactccgt
1141 aatgatttag acaacttcaa aatacagaag aaaagcaat gactgtaaa catgtggaa
1201 aaaatattac atttaaggg ggaaaaaaa aacccccacca ttctttctc cccctattaa
1261 atttgcaaca ataaagggtg gaggtaatc tctactttcc tatactgcca aagaatgtga
1321 ggaagaaaatg ggactctttg gttatttatt gatgcgactg taaatggta cagtatttct
1381 ggagggcaat ttggtaaaat gcataaaaag acttaaaaat acggacgtcc tttgggtgt
1441 ggaactctac atctagcaat ttcttttaa aaccatatac gagatgcata caaagaatta
1501 tatataaaaga aggggttta ataatgatag ttataataat aaataattga aacaatctga
1561 atcccttgca attggaggta aattatgtct tagttataat ctagattgtg aatcagccaa
1621 ctgaaaatcc ttttgcata tttcaatgtc ctaaaaaagac acgggtgtc tatatatgaa
1681 gtgaaaaaaag gatatggtag cattttatag tactagttt gctttaaaat gctatgtaaa
1741 tataaaaaaa aactagaaaag aaatatataat aaccttggta ttgtatttgg gggagggata
1801 ctgggataat ttttattttc tttgaatctt tctgtgtctt cacattttc tacagtgaat
1861 ataatcaaat agtaaaaggc cgtaaaaata aaagtggatt tagaaagatc cagttcttgc
1921 aaacactgtt tctggtaatg aagcagaatt taagttggta atattaagggt gaatgtcatt
1981 taagggagtt acatctttat tctgtctaaag aagaggatca ttgatttctg tacagtcc
2041 acagttacttgggtgcaac agctttctga gaaaagctag gtgtataata gtttaactga
2101 aagtttaact attaaaaaga ctaaatgcac attttatgggt atctgatatt ttaaaaagta
2161 atgtgagctt ctcctttta tgagttaat tattttatac gagttggtaa ttgtgcctt
2221 ttaataaaagt ggaagcttgc tttttaaaaa aaaaaaaaaa gcggaaattc

FIG. 3A

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4-24

1	MASGTTTAVKIGIIGGTGLDDPEILEGRTEKYVDTDPFGK	40
41	PSDALILGKIKNVDCILLARHGRQHTIMPSKVNYQANIWA	80
81	LKEEGCTHVIVTTACGSLREEIQPGDIVIIDQFIDRTTMR	120
121	PQSFYDGSHSCARGVCHIPMAEPFCPKTREVLIELAKKLG	160
161	LRCHSKGTMVTIEGPRFSSRAESFMFRWGADVINMTTVP	200
201	EVVLAKEAGICYASIAMATDYDCWKEHEEAVSVDRVTLKL	240
241	KENANKAKSLLLTTIPQIGSTEWSETLHNLLKNMAQFSVLL	280
281	PRH 283	

FIG. 3B

674311
674311
S.27

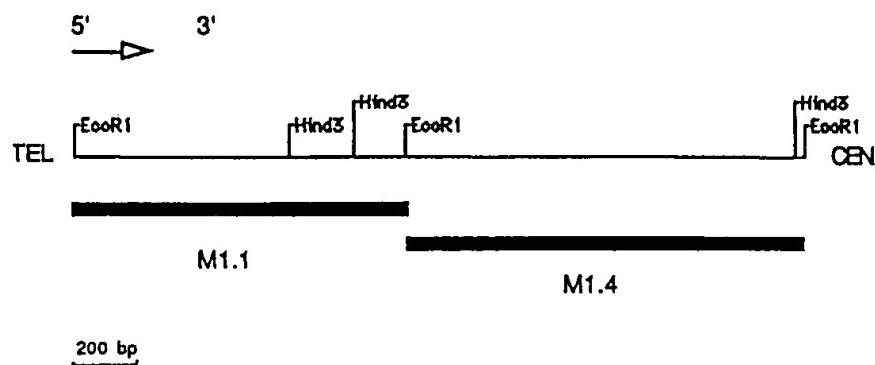


FIG. 4

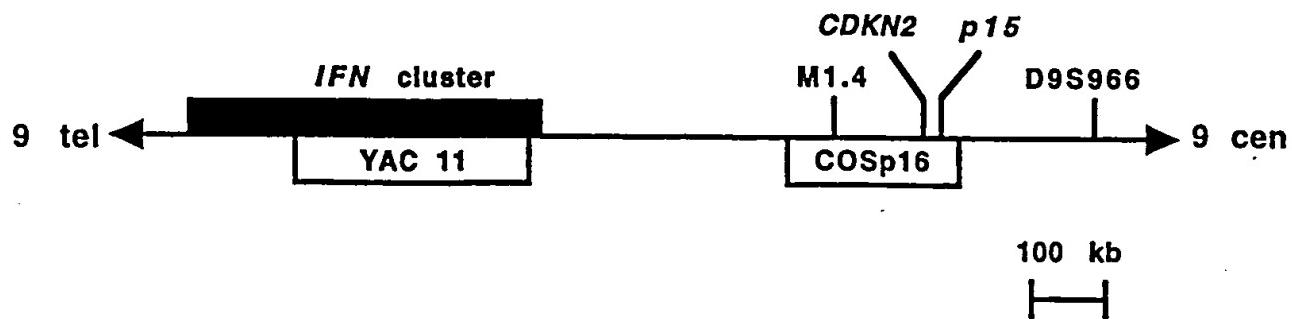


FIG. 5

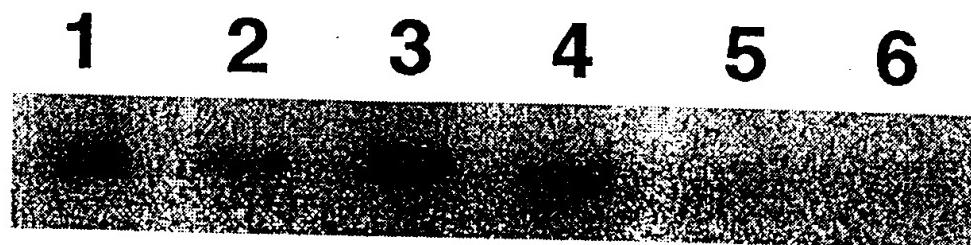


FIG. 6A

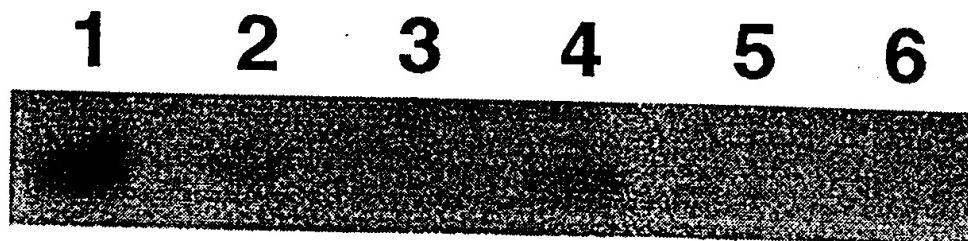


FIG. 6B

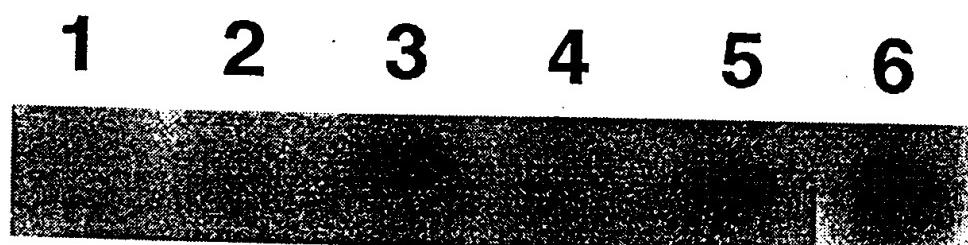


FIG. 6C

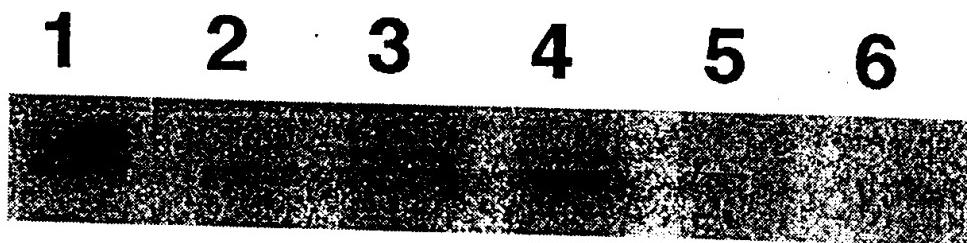


FIG. 6D

08 674311

6/24

1 2 3 4 5 6

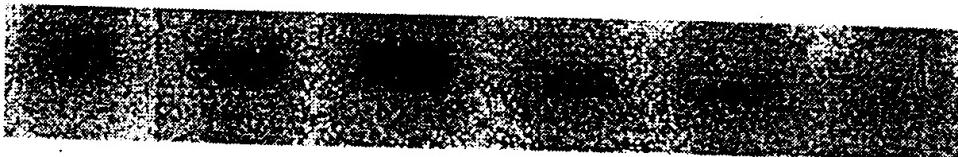


FIG. 6E

08 674311

9,24

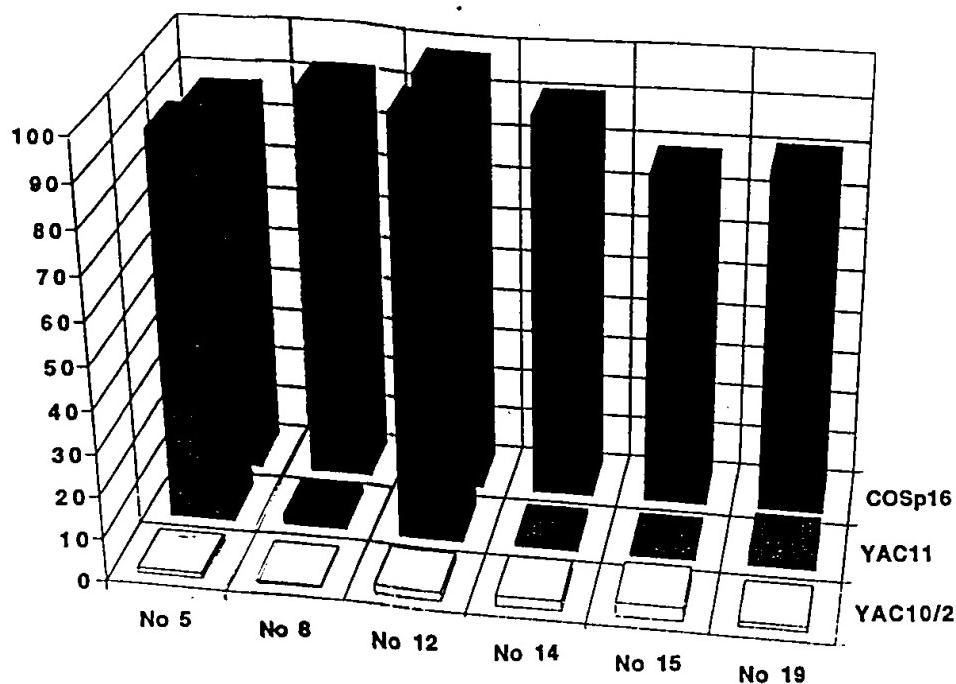


FIG. 7A

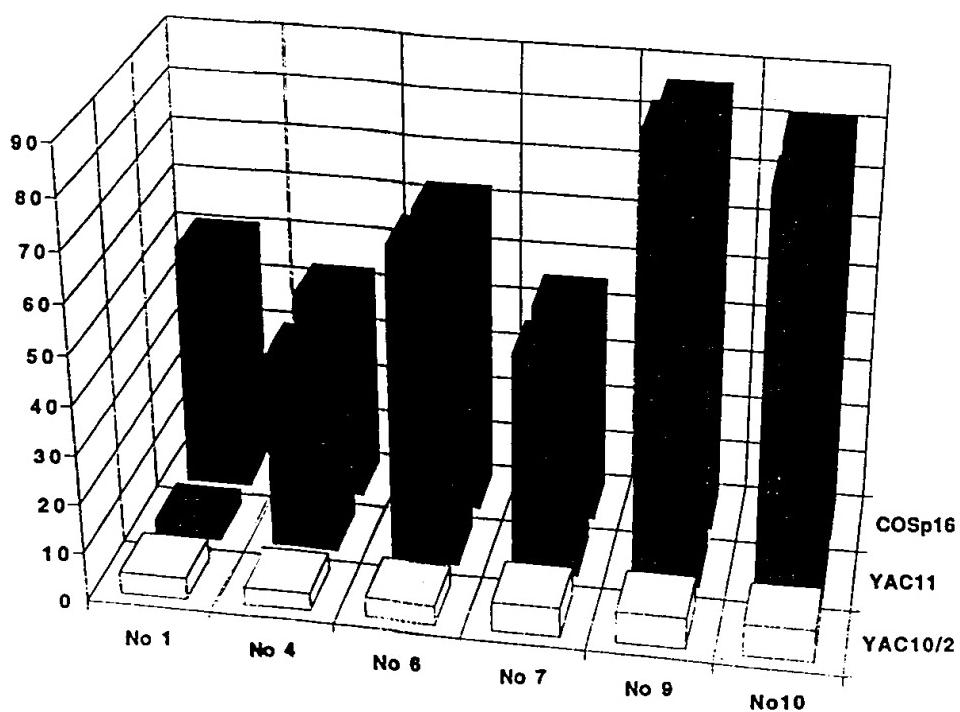


FIG. 7B

08 674311

10.24

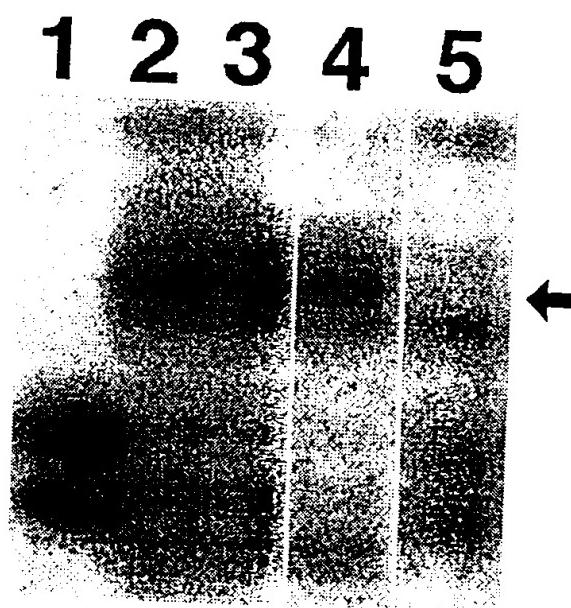


FIG. 8

08 674311

11,24

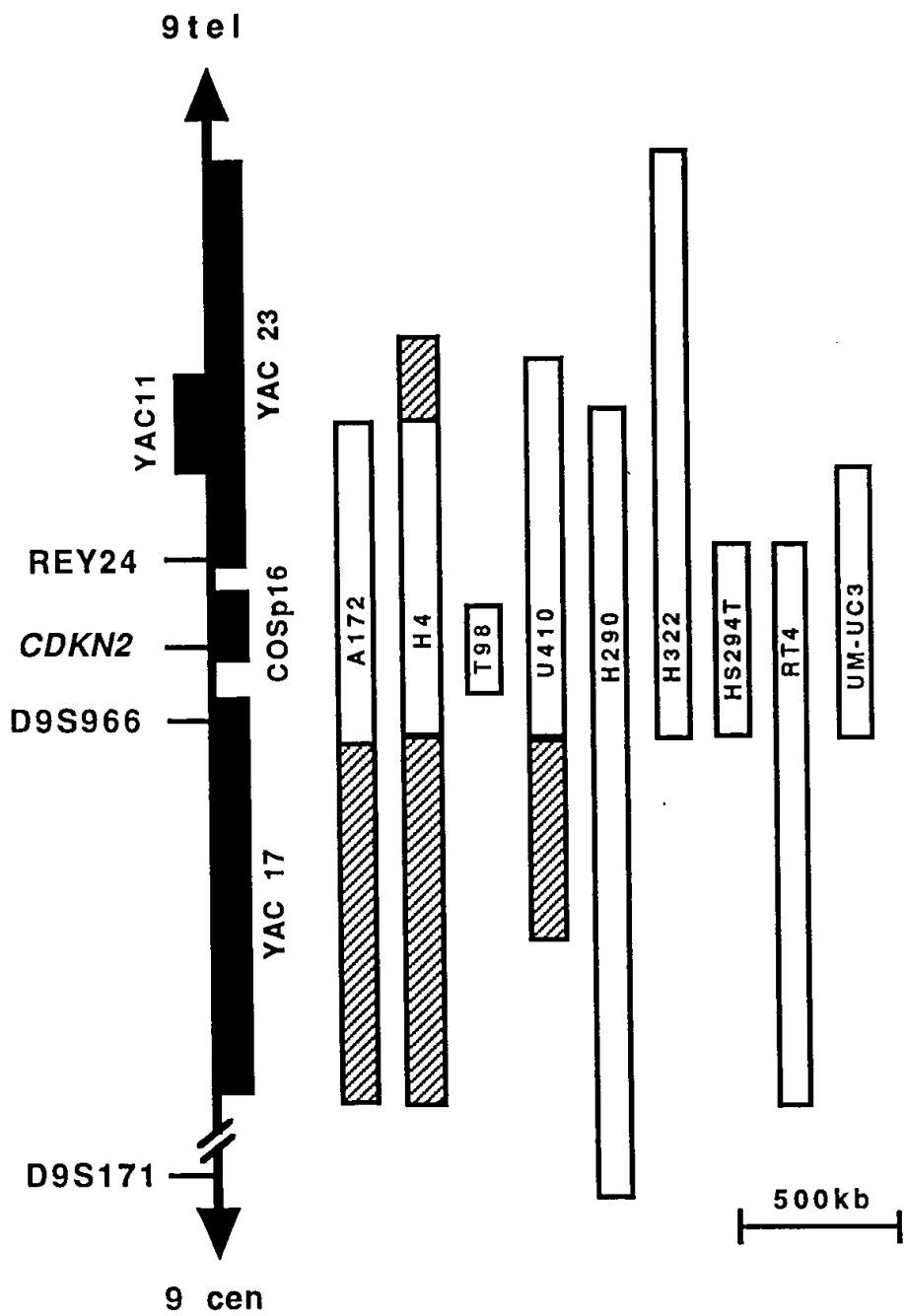


FIG. 9

08 674311

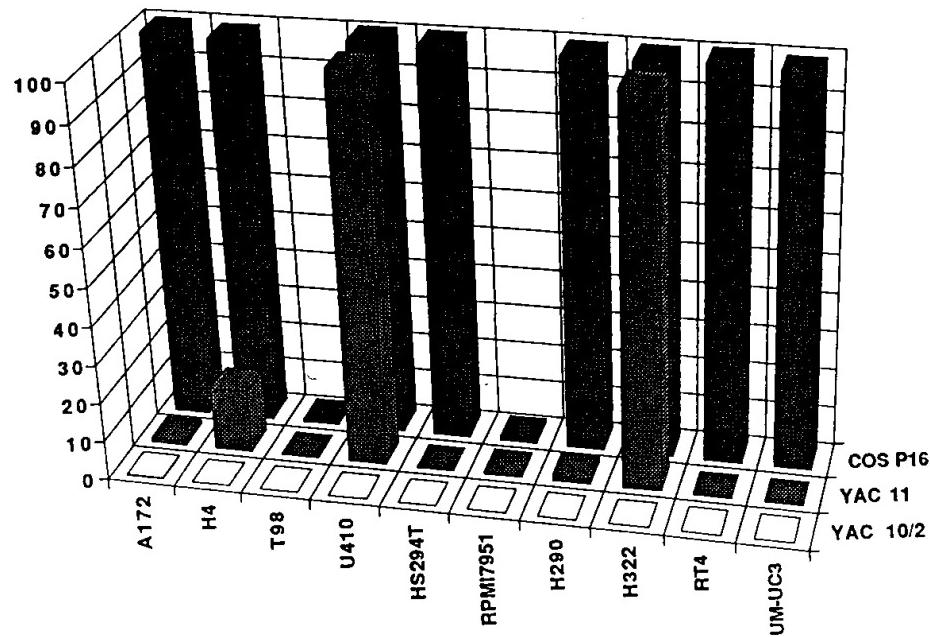


FIG. 10A

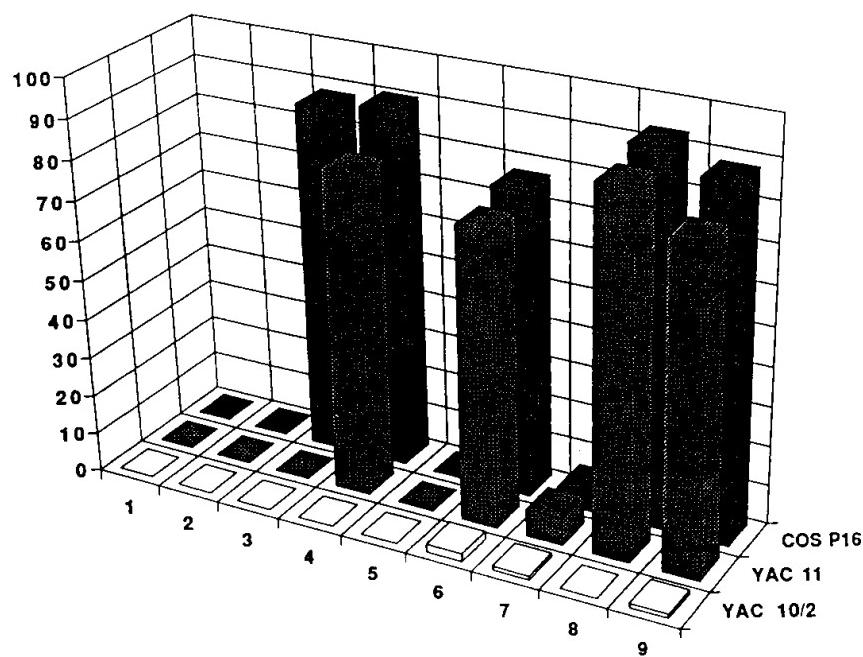
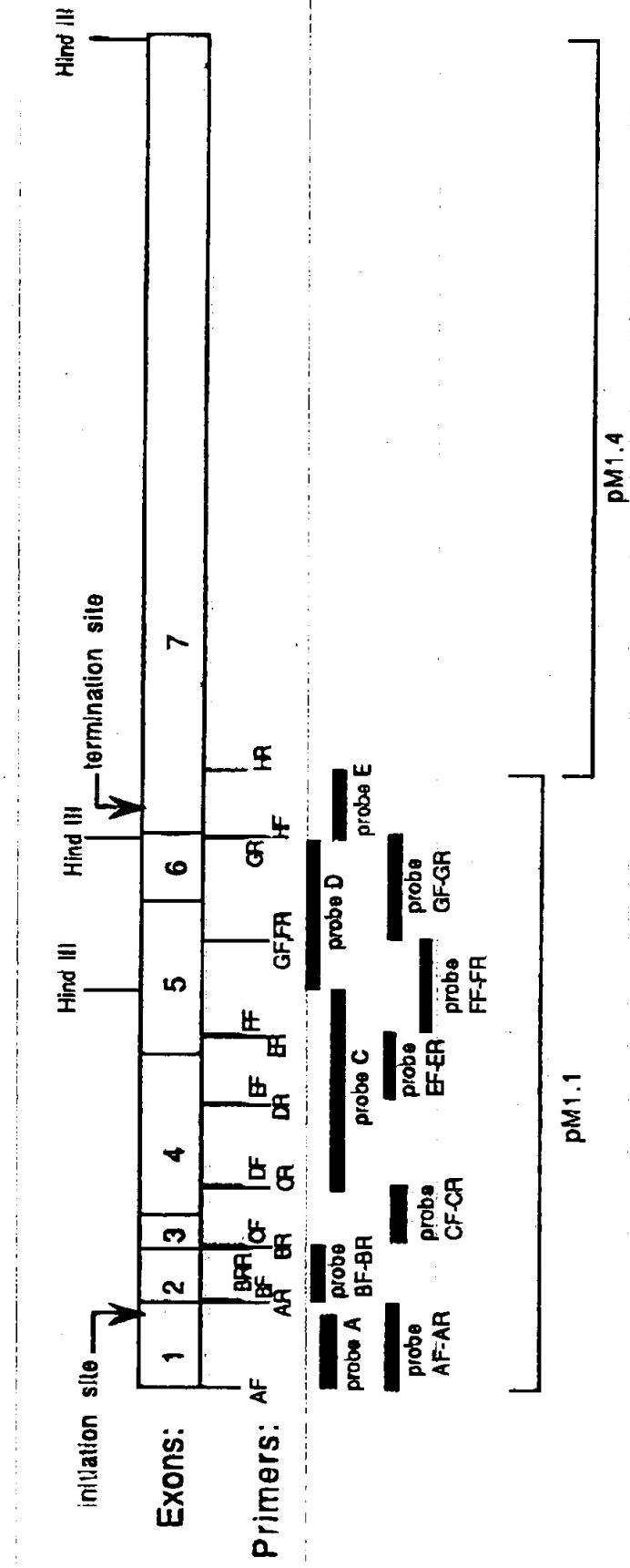


FIG. 10B

Methylthioadenosine phosphorylase cDNA map

Telomere → 3' Centromere



cosmid 55A11: _____

cosmid 65G7: _____

cosmid 74B1: _____

cosmid 225B8: _____

100 bp

08 674311
25

cosmid 69B12: _____
FIG. 11

08 674311

7.0at

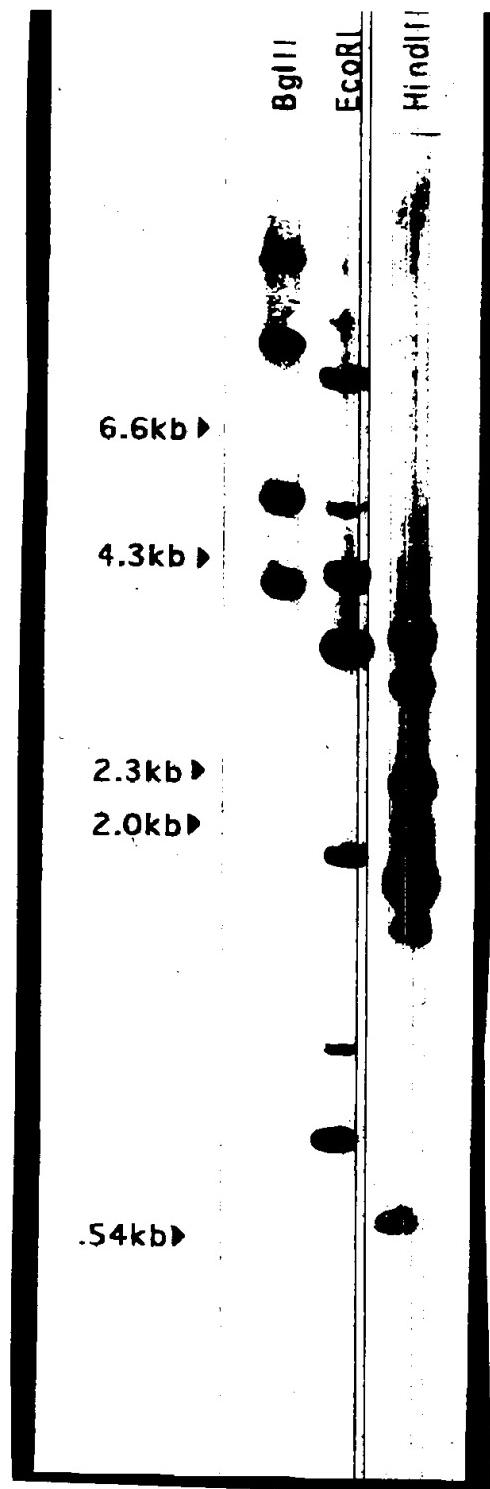


FIG. 12

674311

15/24

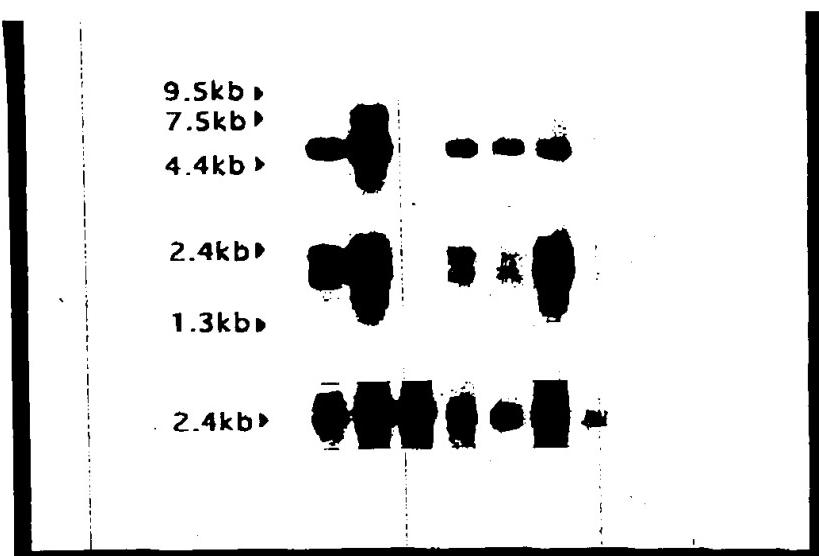


FIG. 13

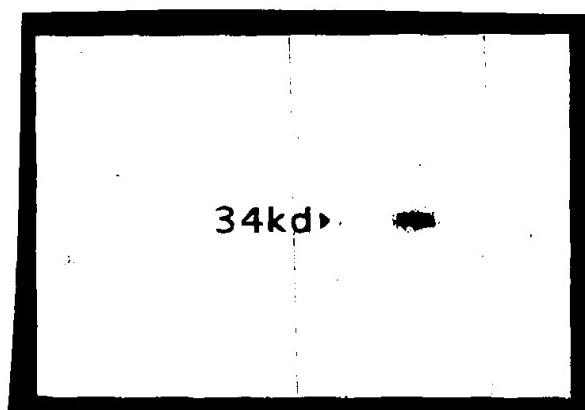


FIG. 14

08 674311

24

Genomic organization of the Methylthioadenosine phosphorylase gene

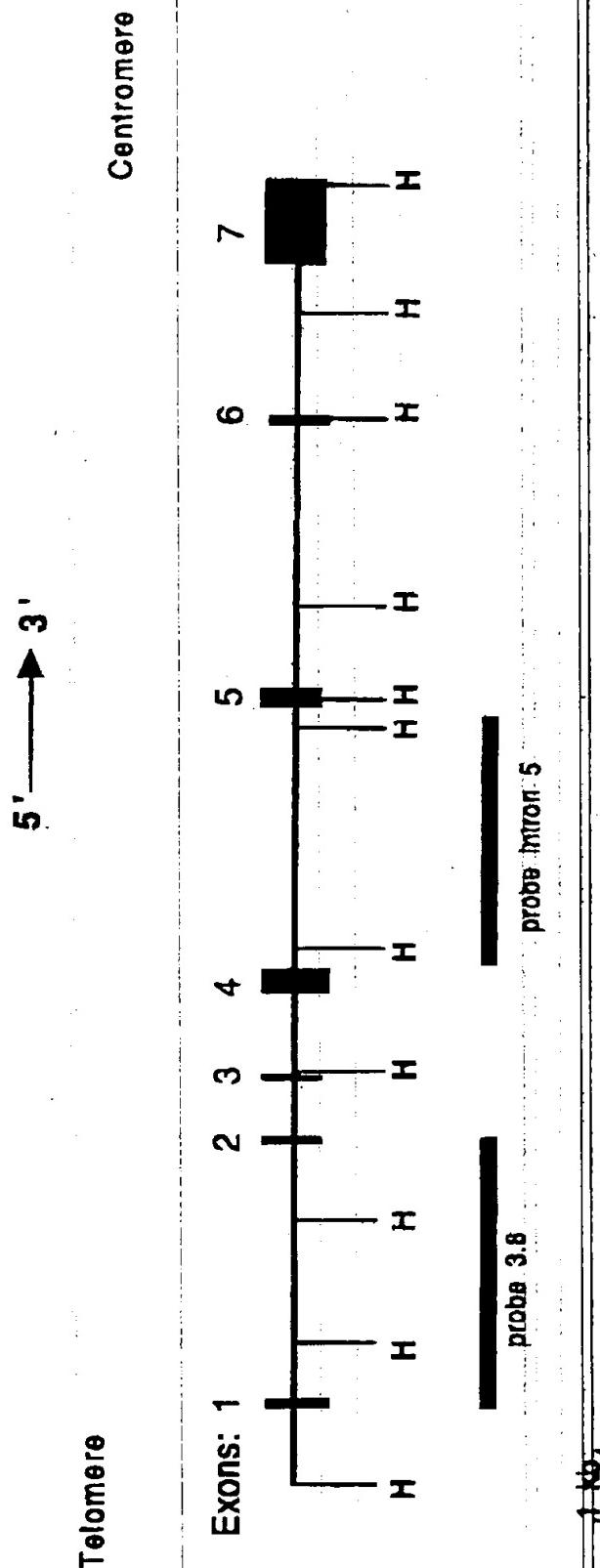


FIG. 15

08 674311

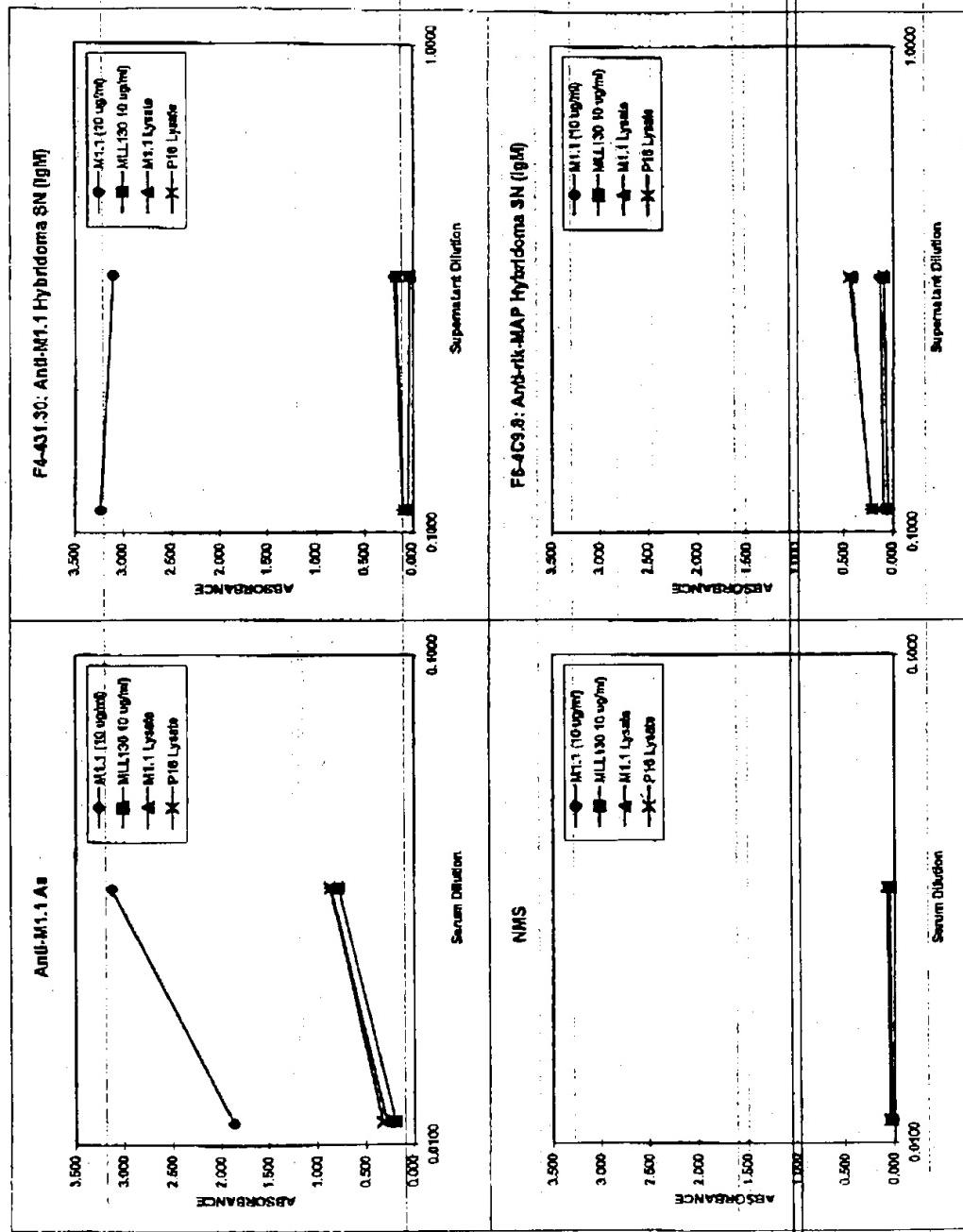


FIG. 16

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HindIII EcorI

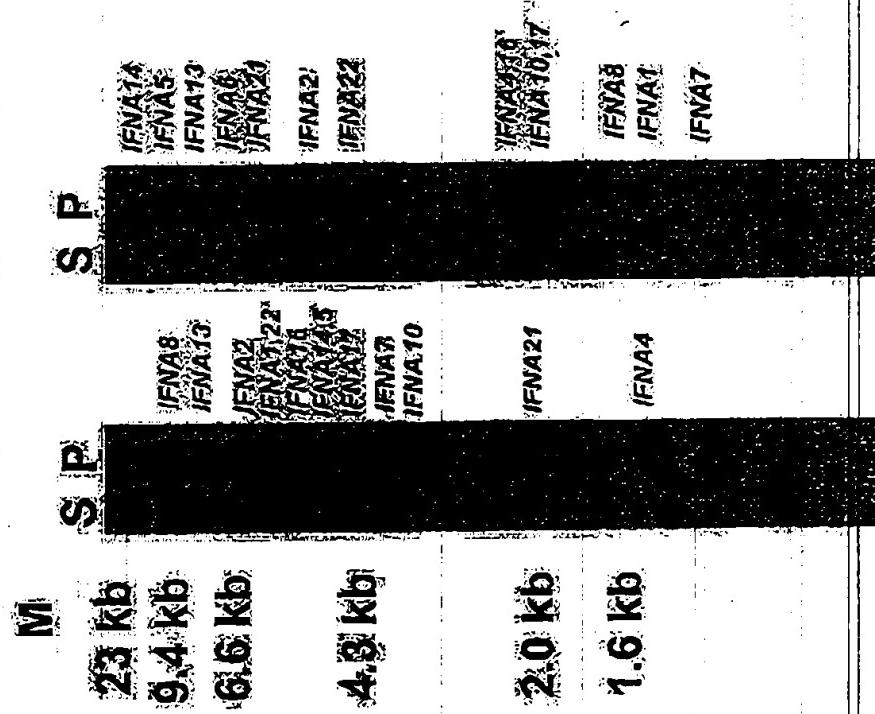


FIG. 17A

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FIG. 17B

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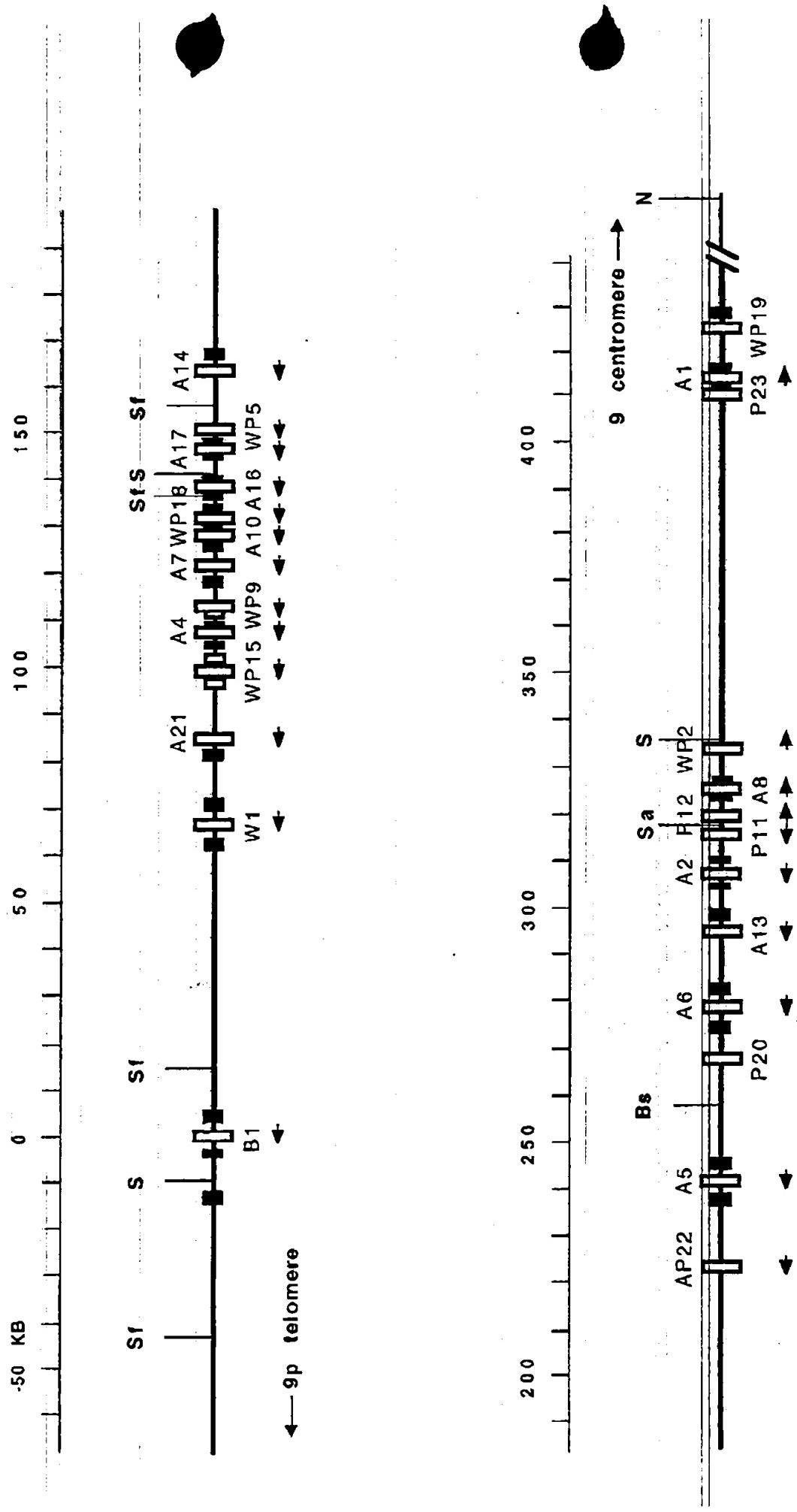
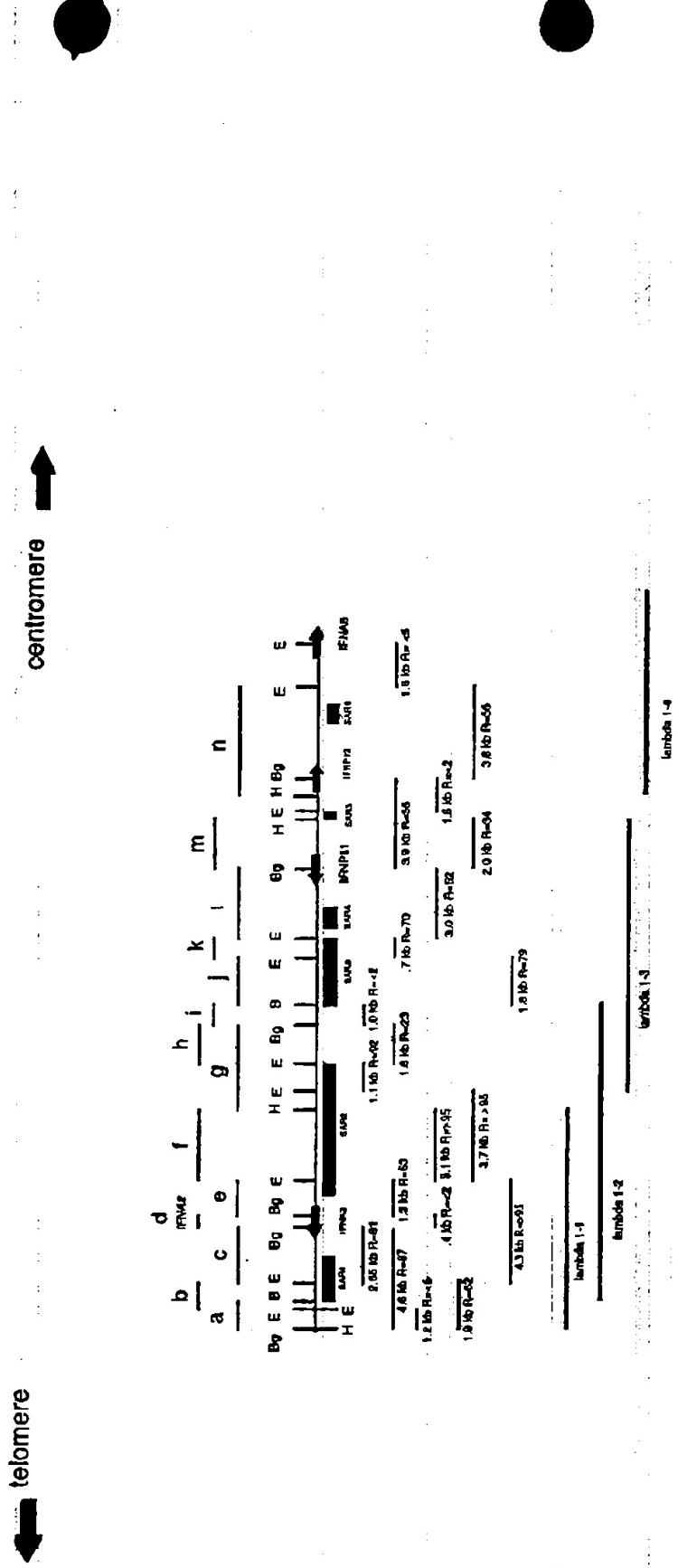


FIG. 18

08 674311

213



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FIGURE 1
Biotin I Biotin J Biotin K
Biotin/FluorII HamIT/EcoRI EcoRI
EcoRI/EcoRI

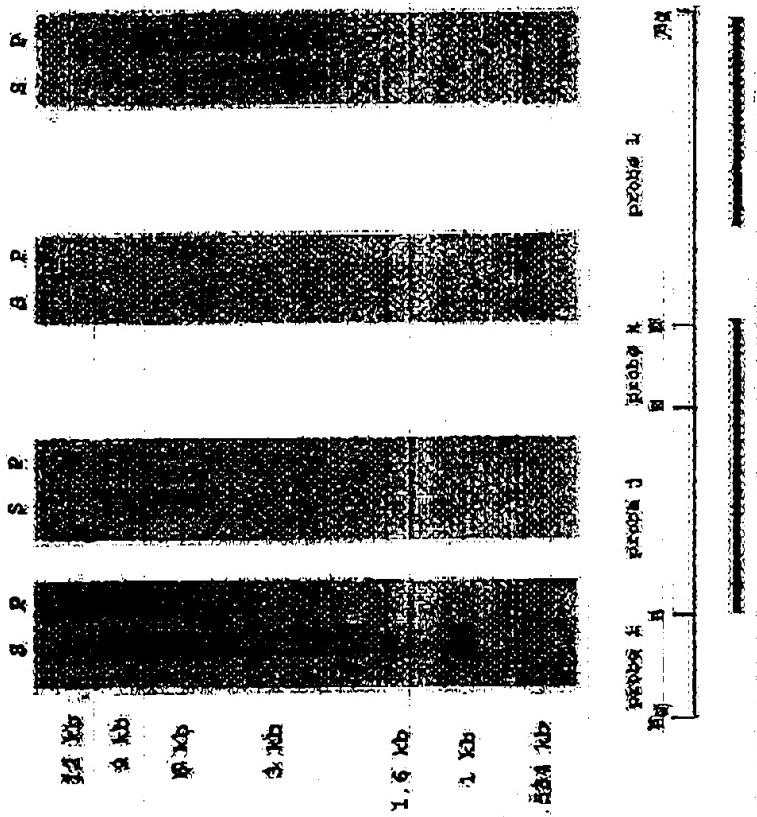


FIG. 19B

674311

224

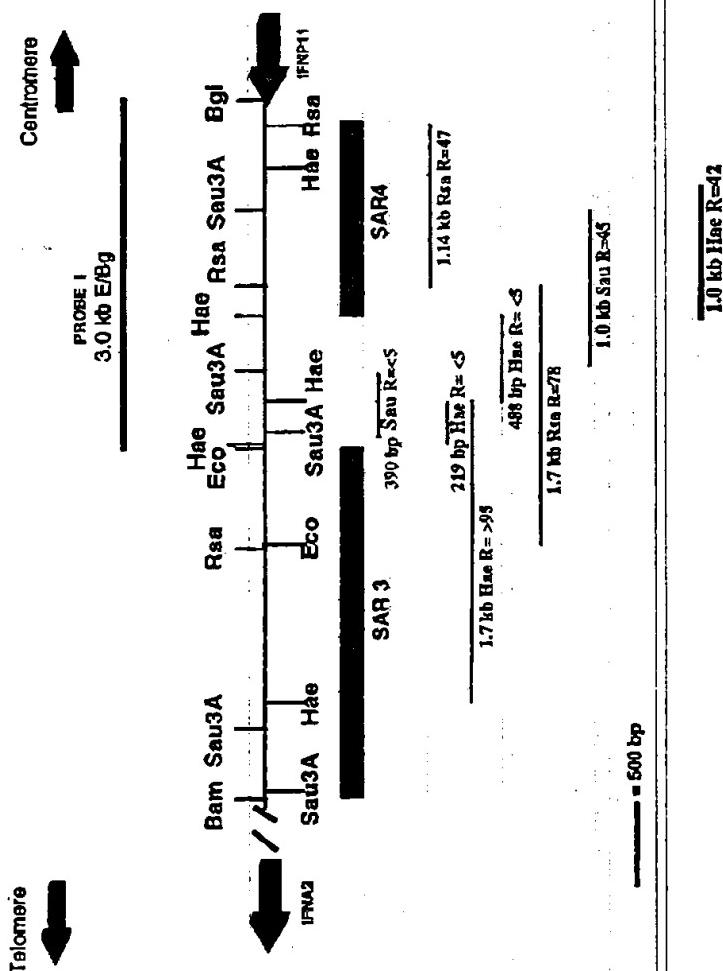


FIG. 20

FIG. 21

